# Ashutosh Kumar Mangalam

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7145915/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 70 papers | 3,854 citations | 201575 27 h-index | 138417 58 g-index |
| 76 all docs | 76 docs citations | 76 times ranked | 6447 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multiple sclerosis patients have a distinct gut microbiota compared to healthy controls. Scientific Reports, 2016, 6, 28484. | 1.6 | 660 |
| 2 | Airway Memory CD4 + T Cells Mediate Protective Immunity against Emerging Respiratory Coronaviruses. Immunity, 2016, 44, 1379-1391. | 6.6 | 468 |
| 3 | Primer Premier: Program for Design of Degenerate Primers from a Protein Sequence. BioTechniques, 1998, 24, 318-319. | 0.8 | 268 |
| 4 | Recovery from the Middle East respiratory syndrome is associated with antibody and T cell responses. Science Immunology, 2017, 2, . | 5.6 | 252 |
| 5 | Human Gut-Derived Commensal Bacteria Suppress CNS Inflammatory and Demyelinating Disease. Cell Reports, 2017, 20, 1269-1277. | 2.9 | 218 |
| 6 | Suppression of Inflammatory Arthritis by Human Gutâ€Derived Prevotella histicola in Humanized Mice. Arthritis and Rheumatology, 2016, 68, 2878-2888. | 2.9 | 178 |
| 7 | Gut microbiome in multiple sclerosis: The players involved and the roles they play. Gut Microbes, 2017, 8, 607-615. | 4.3 | 154 |
| 8 | The â€œGut Feelingâ€• Breaking Down the Role of Gut Microbiome in Multiple Sclerosis. Neurotherapeutics, 2018, 15, 109-125. | 2.1 | 117 |
| 9 | IM-TORNADO: A Tool for Comparison of 16S Reads from Paired-End Libraries. PLoS ONE, 2014, 9, e114804. | 1.1 | 110 |
| 10 | HLA Class II Molecules Influence Susceptibility versus Protection in Inflammatory Diseases by Determining the Cytokine Profile. Journal of Immunology, 2013, 190, 513-519. | 0.4 | 92 |
| 11 | WASH Knockout T Cells Demonstrate Defective Receptor Trafficking, Proliferation, and Effector Function. Molecular and Cellular Biology, 2013, 33, 958-973. | 1.1 | 84 |
| 12 | Prevotella histicola, A Human Gut Commensal, Is as Potent as COPAXONEÂ® in an Animal Model of Multiple Sclerosis. Frontiers in Immunology, 2019, 10, 462. | 2.2 | 82 |
| 13 | New humanized HLAâ€“DR4â€“transgenic mice that mimic the sex bias of rheumatoid arthritis. Arthritis and Rheumatism, 2007, 56, 69-78. | 6.7 | 79 |
| 14 | Untargeted Plasma Metabolomics Identifies Endogenous Metabolite with Drug-like Properties in Chronic Animal Model of Multiple Sclerosis. Journal of Biological Chemistry, 2015, 290, 30697-30712. | 1.6 | 76 |
| 15 | MTHFD2 is a metabolic checkpoint controlling effector and regulatory TÂcell fate and function. Immunity, 2022, 55, 65-81.e9. | 6.6 | 74 |
| 16 | HLA Class II Transgenic Mice Mimic Human Inflammatory Diseases. Advances in Immunology, 2008, 97, 65-147. | 1.1 | 70 |
| 17 | Loss of AMPK exacerbates experimental autoimmune encephalomyelitis disease severity. Biochemical and Biophysical Research Communications, 2009, 386, 16-20. | 1.0 | 64 |
| 18 | Role of HLA class II genes in susceptibility and resistance to multiple sclerosis: Studies using HLA transgenic mice. Journal of Autoimmunity, 2011, 37, 122-128. | 3.0 | 45 |

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|---|---|---|---|
| 19 | Two discreet subsets of CD8 T cells modulate PLP91â€“110 induced experimental autoimmune encephalomyelitis in HLA-DR3 transgenic mice. Journal of Autoimmunity, 2012, 38, 344-353. | 3.0 | 45 |
| 20 | Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer. BMC Cancer, 2021, 21, 808. | 1.1 | 43 |
| 21 | Identification of T cell epitopes on human proteolipid protein and induction of experimental autoimmune encephalomyelitis in HLA classâ€„II-transgenic mice. European Journal of Immunology, 2004, 34, 280-290. | 1.6 | 39 |
| 22 | Isoflavone diet ameliorates experimental autoimmune encephalomyelitis through modulation of gut bacteria depleted in patients with multiple sclerosis. Science Advances, 2021, 7, . | 4.7 | 36 |
| 23 | HLA-DQ8 (DQB1*0302)-Restricted Th17 Cells Exacerbate Experimental Autoimmune Encephalomyelitis in HLA-DR3-Transgenic Mice. Journal of Immunology, 2009, 182, 5131-5139. | 0.4 | 35 |
| 24 | HLA DR and DQ interaction in myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis in HLA class II transgenic mice. Journal of Neuroimmunology, 2005, 169, 1-12. | 1.1 | 34 |
| 25 | Absence of IFN-Î³ Increases Brain Pathology in Experimental Autoimmune Encephalomyelitisâ€“Susceptible DRB1*0301.DQ8 HLA Transgenic Mice through Secretion of Proinflammatory Cytokine IL-17 and Induction of Pathogenic Monocytes/Microglia into the Central Nervous System. Journal of Immunology, 2014, 193, 4859-4870. | 0.4 | 34 |
| 26 | Beyond Metabolism: The Complex Interplay Between Dietary Phytoestrogens, Gut Bacteria, and Cells of Nervous and Immune Systems. Frontiers in Neurology, 2020, 11, 150. | 1.1 | 34 |
| 27 | Neuropilin-1 modulates interferon-Î³-stimulated signaling in brain microvascular endothelial cells. Journal of Cell Science, 2016, 129, 3911-3921. | 1.2 | 32 |
| 28 | Endocannabinoid Receptor-1 and Sympathetic Nervous System Mediate the Beneficial Metabolic Effects of Gastric Bypass. Cell Reports, 2020, 33, 108270. | 2.9 | 31 |
| 29 | AMP-Activated Protein Kinase Suppresses Autoimmune Central Nervous System Disease by Regulating M1-Type Macrophageâ€“Th17 Axis. Journal of Immunology, 2016, 197, 747-760. | 0.4 | 25 |
| 30 | Blood-based untargeted metabolomics in relapsing-remitting multiple sclerosis revealed the testable therapeutic target. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 25 |
| 31 | HLA-DQ6 (DQB1*0601)-Restricted T Cells Protect against Experimental Autoimmune Encephalomyelitis in HLA-DR3.DQ6 Double-Transgenic Mice by Generating Anti-Inflammatory IFN-Î³. Journal of Immunology, 2008, 180, 7747-7756. | 0.4 | 24 |
| 32 | Microbiota Analysis Using Two-step PCR and Next-generation 16S rRNA Gene Sequencing. Journal of Visualized Experiments, 2019, , . | 0.2 | 24 |
| 33 | Intestinal Dysbiosis in, and Enteral Bacterial Therapies for, Systemic Autoimmune Diseases. Frontiers in Immunology, 2020, 11, 573079. | 2.2 | 23 |
| 34 | Human Commensal Prevotella histicola Ameliorates Disease as Effectively as Interferon-Beta in the Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2020, 11, 578648. | 2.2 | 22 |
| 35 | Role of MHC class II expressing CD4+ T cells in proteolipid protein91â€“110-induced EAE in HLA-DR3 transgenic mice. European Journal of Immunology, 2006, 36, 3356-3370. | 1.6 | 20 |
| 36 | Effect of bacterial contamination in bile on pancreatic cancer cell survival. Surgery, 2021, 169, 617-622. | 1.0 | 18 |

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|---|---|---|---|
| 37 | Multiple sclerosis patients have an altered gut mycobiome and increased fungal to bacterial richness. PLoS ONE, 2022, 17, e0264556. | 1.1 | 18 |
| 38 | Scoring disease in an animal model of multiple sclerosis using a novel infrared-based automated activity-monitoring system. Scientific Reports, 2019, 9, 19194. | 1.6 | 16 |
| 39 | Sepsis impedes EAE disease development and diminishes autoantigen-specific naive CD4 T cells. ELife, 2020, 9, . | 2.8 | 16 |
| 40 | Bugs in the system: bringing the human microbiome to bear in cancer immunotherapy. Gut Microbes, 2019, 10, 109-112. | 4.3 | 15 |
| 41 | Microbial monotherapy with Prevotella histicola for patients with multiple sclerosis. Expert Review of Neurotherapeutics, 2019, 19, 45-53. | 1.4 | 15 |
| 42 | The emerging world of microbiome in autoimmune disorders: Opportunities and challenges. Indian Journal of Rheumatology, 2021, 16, 57. | 0.2 | 14 |
| 43 | Mechanism of action of disease modifying anti-rheumatic agent, gold sodium thiomalate (GSTM). International Immunopharmacology, 2001, 1, 1165-1172. | 1.7 | 12 |
| 44 | The Gut Microbiome and Metabolome in Multiple Sclerosis. , 2019, , 333-340. | | 11 |
| 45 | Gold sodium thiomalate (GSTM) inhibits lipopolysaccharide stimulated tumor necrosis factor-Î± through ceramide pathway. Cellular Immunology, 2002, 219, 1-10. | 1.4 | 9 |
| 46 | A New Humanized HLA Transgenic Mouse Model of Multiple Sclerosis Expressing Class II on Mouse CD4 T Cells. Annals of the New York Academy of Sciences, 2007, 1103, 112-117. | 1.8 | 9 |
| 47 | HLA Class II Polymorphisms Modulate Gut Microbiota and Experimental Autoimmune Encephalomyelitis Phenotype. ImmunoHorizons, 2021, 5, 627-646. | 0.8 | 9 |
| 48 | Administration of Human Derived Upper gut Commensal Prevotella histicola delays the onset of type 1 diabetes in NOD mice. BMC Microbiology, 2022, 22, 8. | 1.3 | 9 |
| 49 | Editorial: The Role of the Gut Microbiota in Health and Inflammatory Diseases. Frontiers in Immunology, 2020, 11, 565305. | 2.2 | 8 |
| 50 | Autoimmunity in HLA-DQ8 transgenic mice expressing granulocyte/macrophage-colony stimulating factor in the beta cells of islets of langerhans. Autoimmunity, 2007, 40, 169-179. | 1.2 | 7 |
| 51 | Secreted osteopontin from CD4+ TÂcells limits acute graft-versus-host disease. Cell Reports, 2021, 37, 110170. | 2.9 | 7 |
| 52 | Utility of CD64 expression on neutrophils as a marker to differentiate infectious versus noninfectious disease flares in autoimmune disorders. Indian Journal of Rheumatology, 2019, 14, 9. | 0.2 | 6 |
| 53 | Toll-like receptor 4 and myeloid differentiation factor 88 are required for gastric bypass-induced metabolic effects. Surgery for Obesity and Related Diseases, 2021, 17, 1996-2006. | 1.0 | 5 |
| 54 | Delineation of the minimal encephalitogenic epitope of proteolipid protein peptide91â€“110 and critical residues required for induction of EAE in HLA-DR3 transgenic mice. Journal of Neuroimmunology, 2005, 161, 40-48. | 1.1 | 4 |

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|---|---|---|---|
| 55 | Distinct local immunogenic stimuli dictate differential requirements for CD4+and CD8+T cell subsets in the pathogenesis of spontaneous autoimmune diabetes. Autoimmunity, 2007, 40, 489-496. | 1.2 | 4 |
| 56 | Drugs, bugs, and MS. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e524. | 3.1 | 4 |
| 57 | Pathophysiology of Experimental Autoimmune Encephalomyelitis. , 2016, , 249-280. | | 3 |
| 58 | Autoimmunity Increases Susceptibility to and Mortality from Sepsis. ImmunoHorizons, 2021, 5, 844-854. | 0.8 | 3 |
| 59 | The Effects of Benoxacor on the Liver and Gut Microbiome of C57BL/6 Mice. Toxicological Sciences, 2021, , . | 1.4 | 3 |
| 60 | Genetic Predisposition to Autoimmune Diseases Conferred by the Major Histocompatibility Complex. , 2014, , 365-380. | | 2 |
| 61 | Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer.. Journal of Clinical Oncology, 2021, 39, e21024-e21024. | 0.8 | 2 |
| 62 | Fungal microbiome and multiple sclerosis: The not-so-new kid on the block. EBioMedicine, 2021, 72, 103621. | 2.7 | 2 |
| 63 | Role of microbiome and metabolome in the pathobiology of MS. Clinical Immunology, 2022, 235, 108934. | 1.4 | 1 |
| 64 | Delineating the Roles of CD4+ and CD8+ T Cell Subsets in the Pathogenesis of Spontaneous Autoimmune Diabetes Using HLA-DQ8 Transgenic Mice. Clinical Immunology, 2007, 123, S71. | 1.4 | 0 |
| 65 | F.32. HLA-DQ8 (DQB1*0302) Molecule Modulate PLP91-110 Induced EAE in HLA-DR3 (DRB1*0301)/DQ8 Double Transgenic Mice through Pro-inflammatory Cytokine IL-17. Clinical Immunology, 2008, 127, S53. | 1.4 | 0 |
| 66 | Reply. Arthritis and Rheumatology, 2018, 70, 321-322. | 2.9 | 0 |
| 67 | 831 CB1 MEDIATES THE ENERGY EFFECTS OF GASTRIC BYPASS THROUGH THE SPLANCHNIC SYMPATHETIC NERVE. Gastroenterology, 2020, 158, S-164-S-165. | 0.6 | 0 |
| 68 | Abstract B24: The microbiome in lung cancer under immunotherapy: Significant compositional differences associated with treatment response and AEs. , 2020, , . | | 0 |
| 69 | Modulation of Immune response by Ultra-violet light in HLA class-II transgenic mice. , 2014, 1, . | | 0 |
| 70 | Role of the gut microbiome in multiple sclerosis: From etiology to therapeutics. International Review of Neurobiology, 2022, , . | 0.9 | 0 |